Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/05/2020 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124277	-1	2.59	124415	2.57
Blue	F	SSC	125000	124500	-1	1.79	125353	1.80
Blue	E	FITC	15892	15643	-2	2.76	342	20.36
Blue	D	PE	29999	29483	-2	1.95	644	14.22
Blue	B	PerCP-Cy5-5	43732	43969	0	3.64	1184	20.17
Blue	A	PE-Cy7	30845	31225	1	6.04	595	41.00
Red	C	APC	46112	45876	-1	2.50	1623	12.07
Red	A	APC-Cy7	30458	30113	-2	2.38	798	11.95
Violet	B	V450	7918	7607	-4	4.36	425	13.03
Violet	A	V500	32171	30899	-4	4.08	720	10.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17213	14.11	619	-2	N/A	N/A	Pass
Blue	F	SSC	56719	1.26	559	0	N/A	N/A	Pass
Blue	E	FITC	61	63.54	542	-1	0.0186	86	Pass
Blue	D	PE	135	48.35	547	-1	0.1810	288	Pass
Blue	B	PerCP-Cy5-5	216	49.42	657	1	0.0092	51	Pass
Blue	A	PE-Cy7	110	100.82	700	2	0.0107	12	Pass
Red	C	APC	386	25.17	588	4	0.0247	147	Pass
Red	A	APC-Cy7	176	29.05	560	4	0.0056	1159	Pass
Violet	B	V450	64	60.23	459	1	0.0555	2235	Pass
Violet	A	V500	108	33.25	475	1	0.0218	618	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.39	-32.00	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.46	13.60 - 20.40	N/A	N/A	29.60	29.97	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9925

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments